

WHAT IS CLAIMED IS:

1. A control device of an electric motor for driving the electric motor having multi-phase windings in response to output signals having a predetermined phase difference from each other, comprising:

10 a plurality of comparing means for comparing a terminal potential of each of the multi-phase windings with a middle potential of the multi-phase windings, and driving timing signal generating means for generating a timing signal for outputting each of the output signals based on a result of the comparison carried out by each of the comparing means; and

15 rotation number detecting means for detecting the number of rotations of the electric motor based on the result of the comparison obtained by the comparing means,

20 wherein when the rotation of the electric motor is to be stopped, the driving timing signal generating means is controlled to apply a reverse rotation brake until the number of rotations of the electric motor is reduced to be a predetermined number of rotations by the rotation number detecting means, and the driving timing signal generating means is then controlled to apply a short brake until the rotation of the electric motor is stopped.